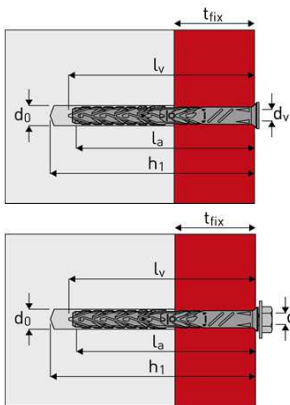


# Elematic T66

Nylon PA6 sleeve and galvanized steel screw

1/1



## APPLICATIONS

- Timber carpentry
- Roof bearing frames
- Insulation
- Facade bracketing

## VERSIONS

- F** countersunk version  
torx screw  
n. 30 (8) - n. 40 (10)

- HS** Flat collar and  
hex head screw

## MATERIALS

### Sleeve:

Poliamide - Nylon PA6

### Special galvanized screw:

Carbon steel cl. 6.8  
Cr3+ galvanising  
Minimum thickness 5 µm

### A4 SS screw (on request):

Stainless steel ISO-A4

## FIELD OF USE

### Setting temperature

-5°C ÷ +40°C

### Service temperature

-40°C ÷ +80°C

## MINIMUM SPACING AND EDGE DISTANCE

### S<sub>cr,N</sub>

spacing, tensile

### C<sub>cr,NV</sub>

from edge, tensile/shear

φ mm	Cls				
	S <sub>cr,N</sub>	C <sub>cr,NV</sub>	C <sub>min</sub>	S <sub>min</sub>	
8 (h <sub>ef</sub> 50)	150	50	50	50	50
10 (h <sub>ef</sub> 40)	120	80	50	60	60
10 (h <sub>ef</sub> 50)	150	100	60	70	70

Frame anchor for fixing in concrete, solid masonry, hollow blocks and aerated concrete

## Dati tecnici

Size	Concrete		Solid brick		Lightweight brick / Aereated concrete		Setting data and dimensions					Screw type	
	Embedm. depth	Fixture thickness	Embedm. depth	Fixture thickness	Embedm. depth	Fixture thickness	Base mat. Thickness	Drillind depth	Drilling Ø	Overall length	Tighten. torque	F	HS
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Nm		
<b>T66</b>	<b>h<sub>nom</sub></b>	<b>t<sub>fix</sub></b>	<b>h<sub>nom</sub></b>	<b>t<sub>fix</sub></b>	<b>h<sub>nom</sub></b>	<b>t<sub>fix</sub></b>	<b>h<sub>min</sub></b>	<b>h<sub>0</sub></b>	<b>d<sub>0</sub></b>	<b>L</b>	<b>T<sub>inst</sub></b>	<b>Reference</b>	
8 - 60	10	10	10	10	10	10				60	12	567850	-
8 - 80		30		30		30				80		567851	-
8 -100	50	50	50	50	50	50	100	60	8	100		567852	-
8 -120		70		70		70				120		567853	-
8 -150		100		100		100				150		567854	-
10 - 60		20		10		-				60		-	567868
10 - 80		40		30		10				80		567857	567869
10 -100		60		50		30				100		567858	567870
10 -120		80		70		50				120		567859	567871
10 -140		100		90		70				140		567860	567872
10 -160	40	120	50	110	70	90	h <sub>nom</sub>	h <sub>nom</sub> +10	10	160	16*	567861	567873
10 -180		140		130		110	x 2			180		567862	567874
10 -200		160		150		130				200		567863	567875
10 -230		190		180		160				230		567864	-
10 -260		220		210		190				260		567865	-
10 -280		240		230		210				280		567866	-
10 -300		260		250		230				300		567867	-

(\* In aerated concrete apply torque at 50% of nominal value)

T66 is included in the research project:



## ULTIMATE LOADS (N<sub>Ru,m</sub>, V<sub>Ru,m</sub>) - kN

### TENSION

Size	Ø 8	40	50	70
h <sub>ef</sub> [mm]	50	40	50	70
Concrete C20/25	10,1	8,8	12,2	-
Solid brick	6,8	-	7,4	-
Hollow clay brick	2,1	-	2,7	-
Lightweight clay block	2,5	-	1,9	2,8
Hollow concrete block	2,3	-	2,0	-
Aereated concrete AAC 5	-	-	2,7	3,3

### SHEAR

Ø 8	40	50	60
50	13,9	16,9	-
10,6	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

## RECOMMENDED LOADS (N<sub>Rec</sub>, V<sub>Rec</sub>) - kN

Concrete C20/25	2,02	1,76	2,44	-	2,13	2,77	3,39	-
Solid brick	1,36	-	1,48	-	-	-	-	-
Hollow clay brick	0,42	-	0,54	-	-	-	-	-
Lightweight clay block	0,50	-	0,38	0,56	-	-	-	-
Hollow concrete block	0,46	-	0,40	-	-	-	-	-
Aereated concrete AAC 5	-	-	0,54	0,66	-	-	-	-